



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

September 10, 2003

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Notice Only W.R. Grace & Co. / 089-17808-00310

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 8/11/03

September 10, 2003

Ms. Patricia M. Winkley
W.R. Grace and Co. - Conn
5215 Kennedy Avenue
East Chicago, Indiana 46312

Re: 089-17808-00310
Third Notice-only change to
MSOP 089-8847-00310

Dear Ms. Winkley:

W.R. Grace and Co. - Conn., was issued a permit on March 30, 2001 for a stationary sodium silicate solution and Ludox manufacturing source. A letter notifying the Office of Air Quality of a change to the Authorized Individual was received on August 14, 2003. Pursuant to the provisions of 326 IAC 2-6.1-6(d)(2) the permit is hereby revised as follows:

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary sodium silicate solution and Ludox manufacturing source.

Authorized Individuals: Patricia M. Winkley, Plant Manager; ~~Sara L. Thomas, EHS Leader~~ Brett Jurd, Manager of Pollution Prevention and Environmental Affairs; and Charles J. Tuskan, Operations Manager

Source Address: 5215 Kennedy Avenue, East Chicago, Indiana 46312

Mailing Address: 5215 Kennedy Avenue, East Chicago, Indiana 46312

Phone Number: 219-391-4647

SIC Code: 2819

County Location: Lake

County Status: Nonattainment for PM₁₀, SO₂ and Ozone

Attainment area for all other criteria pollutants

Source Status: Minor Source Operating Permit

Minor Source, under PSD and Emission Offset Rules;

Minor Source, Section 112 of the Clean Air Act

Ms. Sara L. Thomas, EHS Leader was removed as an Authorized Individual and replaced by Brett Jurd, Manager of Pollution Prevention and Environmental Affairs. All the individuals listed in A.1 on page 4 of the MSOP, meet the requirements of 326 IAC 2-1.1-1(1) as an Authorized Individual.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

W.R. Grace and Co. - Conn.
East Chicago, IN 46312

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This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Gary Freeman, at (800) 451-6027, and ask for Gary Freeman or extension 3-5334, or dial (317) 233-5334.

Sincerely,
Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments: Updated pages
PD/gkf

cc: File - Lake County
Lake County Health Department
Air Compliance Section Inspector: Rick Massoels/Ramesh Tejuja
Compliance Data Section - Karen Ampil
IDEM Northwest Regional Office
Permit Review Section 1- Gary Freeman
Air Programs - Chet Bohannon

MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**W.R. Grace and Co. - Conn.
5215 Kennedy Avenue
East Chicago, Indiana 46312**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 089-8847-00310	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: March 30, 2001 Expiration Date: March 30, 2006

1st Notice-Only Change 089-14372-00310
2nd Notice-Only Change 089-15293-00310

Issuance Date: June 12, 2001
Issuance Date: December 27, 2001

3 rd Notice-Only Change 089-17808-00310	Page Amended: Page 4
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: September 10, 2003

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary sodium silicate solution and Ludox manufacturing source.

Authorized Individuals: Patricia M. Winkley, Plant Manager; Brett Jurd, Manager of Pollution and Prevention and Environmental Affairs; and Charles J. Tuskan, Operations Manager

Source Address: 5215 Kennedy Avenue, East Chicago, Indiana 46312

Mailing Address: 5215 Kennedy Avenue, East Chicago, Indiana 46312

Phone Number: 219-391-4647

SIC Code: 2819

County Location: Lake

County Status: Nonattainment for PM₁₀, SO₂ and Ozone
Attainment area for all other criteria pollutants

Source Status: Minor Source Operating Permit
Minor Source, under PSD and Emission Offset Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

- (a) One (1) Sodium Silicate Furnace, known as EU-01, installed in 1902, using natural gas as fuel and exhausting through stack S/V 01, maximum capacity: 9,600 pounds of raw material per hour and 25 million British thermal units per hour.
- (b) Three (3) Stone Johnston Boilers, known as EU-02, EU-03 and EU-04, installed in March 1986, fired by natural gas and exhausted through stacks S/V 02, S/V03 and S/V04, respectively, maximum capacity: 26.46 million British thermal units per hour, each.
- (c) Emergency generators as follows:
 - (1) One (1) EVC backup generator, identified as EU-05, installed in 1974, fired by natural gas, capacity: 0.5 million British thermal units per hour.
 - (2) One (1) Powerhouse backup generator, identified as EU-06, installed in 1971 and relocated within the source in 1984, fired by natural gas, capacity: 0.5 million British thermal units per hour.
- (d) Lime transfer and storage operations, identified as EU-07, with a 400 cubic foot storage silo and handled by pneumatic transfer, equipped with a baghouse for particulate control, maximum throughput: 0.056 ton per hour.
- (e) Sand transfer and storage operations, identified as EU-08, with a 20,409 cubic foot storage

silo and handled by a bucket elevator, maximum throughput: 4.2 tons per hour.